IN THE CLAIMS:

Kindly cancel claims 1-13, and amend claims 14-15, 18 and 20-25 as follows:

1-13. (Cancelled)

14. (Currently Amended) An apparatus for analyzing a base sequence, comprising:

a first board having a front surface;

a thin polymeric gel film formed on [[its]] the front surface of the first board for allowing a base sequence test sample to be stretched and immobilized on the thin film, said thin polymeric gel film having depressions and projections, said projections and depressions having a pitch within a range of from 0.1 μm to 10 μm;

a heating means for heating and vaporizing the thin polymeric gel film in a desired region; and

a second board disposed [[in]] opposite [[to]] the ~~front surface of the first board~~ thin polymeric gel film.

15. (Currently Amended) An apparatus for analyzing a base sequence, comprising:

a first board having a front surface;

an ablation layer formed on the front surface of the first board, said ablation layer being formed of a material capable of being vaporized by heating of the ablation layer;

a thin polymeric gel film formed adjacent the ablation layer for allowing a base sequence

test sample to be stretched and immobilized on said thin film, said thin polymeric gel film having depressions and projections, said projections and depressions having a pitch within a range of from 0.1 μm to 10 μm ~~formed on an ablation layer containing a material capable of being vaporized by heating, formed on the front surface of the first board~~;

a heating means for heating and vaporizing the ablation layer in a desired region; and

a second board disposed [[in]] opposite to the front surface of the first board.

16-17. (Cancelled)

18. (Currently Amended) [[An]] The apparatus for analyzing a base sequence, according to claim [[17]] 14, wherein the material of the thin polymeric gel film is polymethyl methacrylate (PMMA).

19. (Cancelled)

20. (Currently Amended) [[An]] The apparatus for analyzing a base sequence, according to claim 14, wherein the heating means is laser beam irradiation from the back surface of the first board.

21. (Currently Amended) [[An]] The apparatus for analyzing a base sequence, according to claim 14, wherein the heating means is an electric heater pre-formed in the first board.

22. (Currently Amended) [[An]] The apparatus for analyzing a base sequence, according to claim 15, wherein the material capable of being vaporized by heating, contained in the ablation layer, is plastic.

23. (Currently Amended) [[An]] The apparatus for analyzing a base sequence, according to claim 15, wherein [[in]] the ~~case where~~ heating means is laser beam irradiation from the back surface of the first board ~~is used as the heating means~~, and the ablation layer further contains a beam-absorbable material, in addition to the material capable of being vaporized by heating.

24. (Currently Amended) [[An]] The apparatus for analyzing a base sequence, according to claim 23, wherein the beam-absorbable material is carbon.

25. (Currently Amended) [[An]] The apparatus for analyzing a base sequence, according to claim 23, wherein the beam-absorbable material is vapor-deposited between the material capable of being vaporized by heating and the first board.

Kindly add new claims 26-27 as follows:

26. (New) The apparatus for analyzing a base sequence, according to claim 15, wherein the material of the thin polymeric gel film is polymethyl methacrylate (PMMA).

27. (New) The apparatus for analyzing a base sequence, according to claim 15, wherein the heating means is an electric heater pre-formed in the first board.